



One of the Important Elevators which will be visited by the delegates to the S.O.G.E.S. convention to be held in Indianapolis, May 13-14-15, 1948.

Grain

NOVEMBER
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MANAGEMENT and OPERATION**
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SOGES CHAPTER MEETING DATES

1st TUESDAY—Minnesota SOGES Chapter. Harmon F. Norton, Apple River Mill Co., Minneapolis, President; James Auld, Hales & Hunter Co., St. Louis Park, Secretary.

2nd TUESDAY — Omaha-Council Bluffs SOGES Chapter. Charles F. Walker, Archer-Daniels-Midland Co., Council Bluffs, President; John T. Goetzinger, Rosenbaum Brothers, Omaha, Secretary.

2nd FRIDAY—Central States SOGES Chapter. M. M. Darling, Acme-Evans Co., Indianapolis, President; N. R. Adkins, Purina Mills, Lafayette, Ind., Secretary.

3rd TUESDAY—Kansas City SOGES Chapter. Claude Darbe, Simonds-Shields-Theis Grain Co., President; Orrin E. Kinman, Cargill, Inc., Secretary.

3rd TUESDAY — Chicago SOGES Chapter. Leonard Danielson, Arcady Farms Milling Co., President; Lincoln Scott, Corn Products Refining Co., Chicago, Secretary.

PLANS PERCOLATE FOR BIG S.O.G.E.S. CONVENTION IN INDIANAPOLIS, MAY 13-15

Extensive preparation are being made far in advance for the 19th annual convention of the Society of Grain Elevator Superintendents at the Claypool Hotel in Indianapolis on May 13-14-15.

President John Belanger of Ft. William, Ont., First Vice-President Clifford A. MacIver of Minneapolis (who is also Chairman of the Program Planning Committee), and Second Vice-President Charles J. Winters of New Orleans, and others are working with the Central States Chapter in the planning of one of the biggest and best of the national sessions.

M. M. "Mac" Darling is President of the active Central States Chapter—which group will be host to the meeting. This is the "youngest" chapter of S.O.G.E.S., having been organized only in May of 1947, but its fifty-six members are going "all-out" on the job of preparing for a highly successful convention.

Prexy Darling is working with Chairman MacIver on a plan to take S.O.G.E.S. members on a tour of visits, including industrial plants where special equipment is made for use in elevators and processing plants.

There are also extensive plans for special entertainment for the ladies who will attend the meeting—including a chain "give-away" radio show.

Indianapolis is looking forward to this convention, the program planners remind the membership. At the Kansas City meeting it will be recalled that cordial invitations were extended from the Governor of Indiana, the Mayor of Indianapolis and the head of the Indianapolis Civic Bureau—and all interests intend to help make this gathering highly successful.

"Flyers" will be sent to all members as soon as details on the convention program are ready for the broadcasting stage.

Here's His Picture

Harmon F. Norton, Superintendent of the Apple River Mill Co., Minneapolis, is the able head of the SOGES Gopher Chapter. Serving last term as vice president, "Red"—as he's widely known—is doing a "bang-up" job as guiding the affairs of this active group. Meeting monthly is in itself

a good deal to prepare for, even though it is enjoyable. However the Minneapolis Supers have done a great deal more than simply "meet" monthly; they have followed a successful

plan of varying the type and scope of each approaching program so as to interest the greatest number of members and their guests.

Foremens' night, Ladies' night, Managers' night and Associates' night are just a few of their feature affairs that invariably attract an enviable turn-out. Associate members prepare, in turn, the striking meeting notices; phone calls follow up. No one, except those who MUST stay at home to nurse a cold, ever gets disappointed.



Chicagoans To Dance

Chicago SOGES members and their escorts will trip the (alleged) light fantastic on April 17, according to Prexy Leonard J. Danielson, Arcady Farms Milling Co. Scene of this strenuous activity will be the South Side Swedish Club, ideal private headquarters of the famous Mr. Smorgas of the widely copied Smorgasbord.

"The Minneapolis 'Sups' may have the largest attendance of any of the SOGES Chapters," Prexy Danielson was recently heard to utter, "b'ut b'golly they don't have any better food, entertainment, nor prettier dancers than we do."

Unusually well attended, with members and guests pouring in from Wisconsin, Indiana, Michigan, Ohio, Missouri and Iowa, the able committee expects to make this the superb event of its kind so far to date—not to mention being a 'b'uilder-upper for an unusually large delegation to the SOGES annual convention at Indianapolis the following month.

LOOKING FORWARD TO CONVENTION

I, for one, most certainly am looking forward to the annual SOGES Convention in Indianapolis, May 13-14-15. No one who is on his toes can afford to miss this technical conference, or, to state it another way, every conscientious Super owes it to himself and to his firm to be on hand, to engage in all discussions, learn all there is to learn, and to take notes on what he has absorbed back to his boss.

No one can possibly "know it all", despite anyone's desire or belief to feel that he does. Hence these conventions, which are the development of nineteen years of hard work, offer so much that to begin telling of the opportunities would fill every page of GRAIN.

Please tell all your readers that visitors most certainly are welcome.—Harold C. Wilber, A. E. Staley Mfg. Co., Decatur, Ill.



INDUSTRIAL ALCOHOL PLANT

OMAHA,
NEBRASKA

Approximate annual capacity of this plant; 17,500,000 gallons 190-proof Ethyl alcohol, 63,000 tons stock feeds, 25,000,000 pounds mold bran, 4,900,000 pounds corn oil, 35,000 tons dry ice, 175,000 gallons fusel oil.

This fully-equipped, ready-to-go plant also suitable or readily adaptable to . . .

- ★ Corn sugar and syrup manufacture
- ★ Food processing
- ★ Agricultural feeds production

FOR SALE OR LEASE NOW

Here is an industrial grain alcohol plant with complete facilities for the following operations: (a) grain handling, including cleaning, storing and milling; (b) fermentation, including fermentation tanks and coolers with pumps, agitators and other accessories; (c) yeast processing, including tanks and coolers; (d) stilling and rectifying, including stills, condensers, rectifying columns; (e) evaporators and various equipment for solidifying recovered feeds and syrups.

LOCATION: This modern processing plant, located on 6.28 acres of land at Omaha, Nebraska, is on the west bank of the Missouri River. Omaha is in the heart of one of the nation's largest grain producing areas.

BUILDINGS: Five—of steel frame and brick construction are included in this offer. Other structures include grain elevators, storage tanks and gatehouses.

TRANSPORTATION: The plant is served by the C. B. & Q. and the Union Pacific Railroads. City-paved streets connect with arterial highways. Water transportation is available on the Missouri River.

BASIS OF OFFERING: (1) You can buy or lease land, buildings, machinery and equipment as an industrial alcohol unit.

(2) You can buy or lease land and buildings, less machinery and equipment, for other industrial uses.

(3) You can buy machinery and equipment for removal and use off-site.

SEALED BIDS: Your proposals will be accepted on Standard Bid Forms until 2:00 P.M., C.S.T., December 17, 1947, at War Assets Administration, Office of Real Property Disposal, 95th & Troost Avenue, Kansas City, Missouri.

WRITE NOW: Brochures, engineering reports and other information are available on this property.

All requests for brochures and bid forms should be addressed:

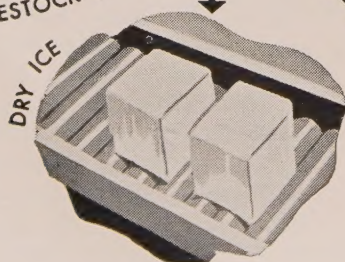
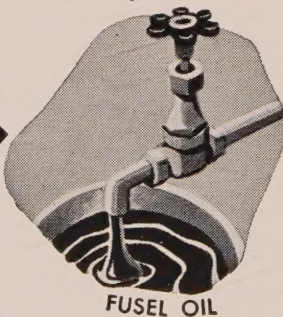
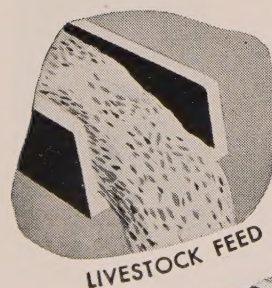
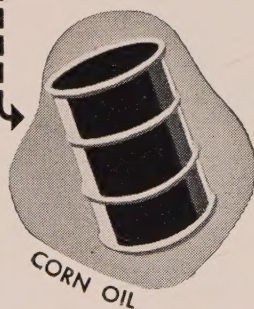
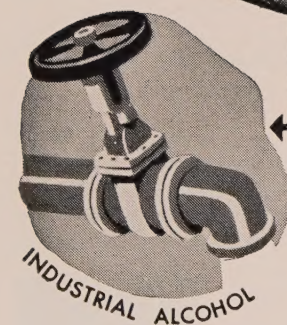
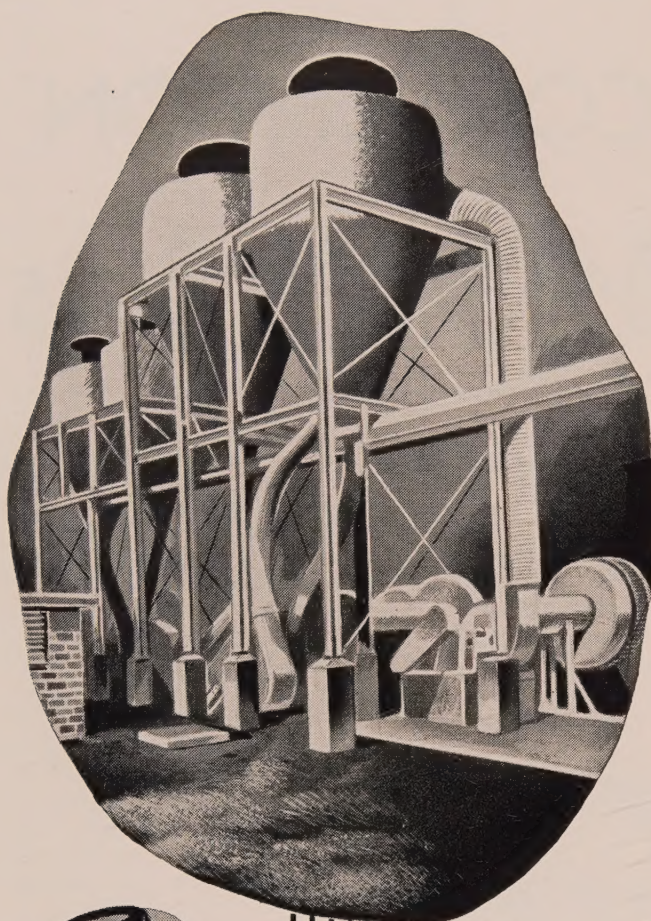
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GRAIN



Panel Talk Tells of Fire from Choke in Leg

Clifford MacIver, in describing the two disastrous fires in Minneapolis at Kansas City, to the S.O.G.E.S. membership explained that one fire started from a choke in the leg. There were about four men at the time on each shift.

"We presume the one man who was supposed to be in attendance at the transfer point in the basement went into the office for coffee, or something, and was gone for too long a time," he said. At any rate the choke occurred when the leg was unattended and we have been unable to get a straight story of what actually happened.

"It might have been that the grain fell over at the top and overloaded the leg. Anyway when the fire was detected it had already broken out of the left casing.

"The Minneapolis Fire Department has every reason to be proud of their equipment and the way it was used to control this fire. Following a plan which had been outlined years ago, they were able to get in the right places to fight it, nevertheless the elevator was a total loss, and nothing could be salvaged. The elevator was drying corn at the time of the outbreak of the fire."

Governor On Backstop?

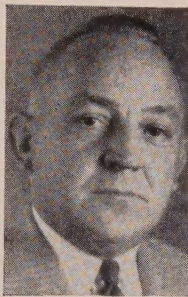
A panel discussion of chokes developed the following interesting comments:

C. J. WINTERS: "If you put a backstop on your legs you should not have any grain falling into the boots."

Q: "Did you say that by having a governor on the back stop it will prevent an overload?"

A: "No. This device works automatically. When there is too much of a strain on the leg or on the belt the entire series of motors, not just the one motor which are hooked up to make that set, will kick out automatically."

"You can't start them up again until such time as you correct the condition which caused the motors to shut off. The man does not have to be on duty at the time. The moment you get a strain on that leg or that belt, the moment the motor begins to slow up you all know that the belt is geared up to run a certain number of RPMs, or the moment that the belt slows



down the entire series of motors automatically kick off.

The only place you can possibly get a choke is in the boot of your leg, and if you have a back stop on that leg and the buckets can't come back you can't get a choke there. If grain drops into to boot from the spout there is nothing you can do except get some men in to clean out the boot. That is elementary."

Avoids Choking

John Belanger:

"In all our legs in our four houses we have on the main floor a 12-inch gate with hinges on the top and springs on the bottom. Any time the legs start to overload the gate swings out and the grain comes out on the floor.

"Consequently, at no time do we ever get a choked leg. This is a very simple device. It works very well in our houses and I don't see why it would not work other places. Maybe it is not the best, but it does relieve the strain on the leg, the pulleys and everything else. The leg does not slow up, but just as soon as it is overloaded (it will go so far before the leg slows up) this gate swings out at the bottom and the grain spills out on the floor. When this happens we have a lot of wheat to shovel up, but never any choked legs."

(Please turn to page 14)

Douglas



WHAT Annia-Germ Can Do for You!

One of the most **convenient** ways to fight infestation is with a spray. And one of the most effective is through the use of A-G—Douglas Annia-Germ Spray, which has special properties.

In the first place, bugs don't have to come to **meet** A-G. Instead, Annia-Germ goes right in after them! Its penetrating powers are remarkable.

Thus, Annia-Germ can help you not only in such typical spraying applications as corners, walls, freight cars and rafters... it also will go to the heart of infestation when sprayed **IN MACHINES**.

And A-G may be used safely around food products. It's spot treatment that **hits** the spot every time! Send for details.

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MINNEAPOLIS, MINNESOTA; PORTLAND, OREGON.

SCOTTY GOES DOWNTOWN

Lincoln Scott, formerly of Corn Products Refining Co.'s Korea plant and more recently Assistant Plant Superintendent of the company's extensive Argo properties, recently became Staff Assistant to General Manager Frank Glofelty, it was just learned. His headquarters are now in the downtown office at 333 N. Michigan. "Scotty", as he is widely known, is the able secretary of the Chicago SOGES Chapter. Ed Wilson succeeds him at the plant.

FOUR QUEENS; DECK'S FULL

Mary Camilla Burrows, fourth daughter of Virginia and Parke Burrows, recently put in her appearance. According to a clever postcard announcement, Susan is pictured as the Queen of Spades, Anne as the Queen of Diamonds, Cheryl as the Queen of Clubs, and Mary Camilla as the Queen of Hearts.

Mr. Burrows recently organized the Burrows Equipment Company of Evanston, Ill., moisture testing equipment and sundry supply house.

SAYS IT'S WELL READ

"GRAIN" seems to be the best read publication reaching the terminal, sub-terminal, and processing elevators of the country, according to a survey we have just completed. We found many instances where other publications received by the head office were not passed on to the plant for consumption.—Arthur C. Benson, Benson Power Shovel Co., Fort Worth, Tex.



"My Secretary is just wonderful at finding a misfiled letter."

Welding Warning

What are your safety precautions or rules as pertains to welding in dust hazard department?

George H. Steel of Ralston-Purina Co., St. Louis, describes the routine at that company as follows:

"Before a welding torch, soldering iron, etc., gets into a location, the plant superintendent must personally inspect the area, shut off all power and, if necessary, even wet the floor before permitting a welding job.

"We feel it is too dangerous for anyone else to make such decisions. If the mill blows up it is the superintendent's responsibility. We also have plenty of fire extinguishers on hand.

"In addition to that, after the job is done we have the watchman on duty to watch the welding operation and the welder, as well as have the night watchman of the plant make extra checks for 24 hours afterward."

STOP WATER SEEPAGE! and grain spoilage with ... *Weatherproofing!*

Costly grain spoilage may be caused by water seeping through concrete which has been deteriorated by the natural forces of nature. Spalling, flaking, cracking and disintegrating concrete—the source of such trouble—can be effectively corrected and prevented by properly engineered remedial restoration and weatherproofing. Western's expert maintenance services assure an attractive, durable, weather-resistant and waterproof structure, and many added years of usefulness for your elevator

WESTERN WEATHERPROOFING SERVICES INCLUDE:

- ★ WATERPROOFING
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- ★ MORTAR JOINT REPLACEMENT
- ★ PRESSURE APPLICATION OF CEMENT
- ★ PUTTING JOINTS IN MOVEMENT

No materials for sale. All work done under contract, insured and guaranteed.
Let us be your concrete dentist.

For over 35 years, Western has specialized in the restoration and weatherproofing of mass concrete structures. Western's service combines technical analysis by experienced engineers plus the use of proven materials and their application by skilled technicians. The full responsibility for a weatherproof elevator can be placed on the Western organization.

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Reactions vary when DDT is employed

That individuals react differently to DDT in handling it in grain plants was brought out in the round table discussions of the Grain Handling and Processing Division, Food Section, National Safety Council in Chicago.

H. J. Aldrich, of Spencer Kellogg and Sons, Buffalo, stimulated thoughts on this topic, while presiding over the session, which developed the following discussion:

"What kinds are being used in grain elevators and mills?

Some are safe to use but not too effective, while others are very effective but none too safe to use. What is your experience, gentlemen?"

E. J. TRAUT, Kellogg Co., Battle Creek, Mich.: "We would like to use DDT but the Pure Food & Drug Act does not permit it. I think we all agree on the effectiveness of DDT but we do not have a clear bill of health for its use. While there are many disinfectants on the market, we use Acrylon for spot fumigation in the mill and also anywhere else."

MR. MACK: "Is there very much difference between a disinfectant and an insecticide?"

MR. TRAUT: "We use Acrylon as an insecticide."

L. J. COLLINS, Spencer Kellogg & Sons, Buffalo: "There is a considerable variance of opinion about DDT. We sprayed a pillar in the basement of one of our plants which was badly infested with cochoaches with DDT. Nine months later it was still effective. The Public Health Service has a pamphlet dealing with DDT. There is another angle about the use of DDT and that is the kind of solvent used as the carrying medium."

F. U. WHEATLEY, International Milling Co., Davenport: "My experience leads me to realize that it has a rosin base and in most cases kerosene is the solvent medium used, and while the kerosene evaporates, yet the rosin base holds the DDT to the surface to which it is applied."

Use Mask

R. L. LANCASTER, International Milling Co., Detroit, Mich.: "We have used DDT and find that if it is used as a spray in a confined area the operator must use a mask. Some people react differently than others to DDT. Some seem to have loss of appetite, usually not lasting more than a day or two."

K. E. GARRISON, Ralston-Purina Co., St. Louis, Mo.: "We have had quite a bit of experience with DDT because we manufacture many products with it. Some react very quickly to DDT and we can usually tell within a day whether or not one can work with it."

"It is used quite a lot in milling plants where it is worked into the floor cracks away from the product. It is always used in spray guns in a water soluble vehicle."

MR. ALDRICH: "In the case of other disinfectants what reaction is had on the manufactured product? I have in mind the use of methyl-chloride, methylbromide, cyanide and formaldehyde. Of course they must be handled only by workers especially trained in their use."

MR. COLLINS: "Any of the toxic materials used for fumigation are permitted in a closed area provided such area

(Please turn to page 18)



SAVE 7 WAYS
With **EFFICIENT, ECONOMICAL** **DAY DUST CONTROL**

HERE are 7 ways a **DAY**-engineered Dust Control system saves money in your mill or elevator:

1. Minimizes explosion hazards.
2. Reduces amount of suspended dust by preventing pressure build-ups and air currents in legs, bins, etc.
3. Improves working conditions... boosts worker morale and efficiency.
4. Minimizes neighborhood dust nuisance.
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6. Recovers valuable screenings.
7. Reduces pest infestation and product contamination.

Maximum efficiency and economy of **DAY** Dust Control systems are the product of 66 years of experience, excellent production facilities and the exclusive features of **DAY DUAL-CLONE** Dust Collectors.

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Representatives in principal cities

Smart Fire Prevention

Only Repeated Training And Check-ups Can Stop Costly Losses

Says FRANK CARLSON, Field Engineer
UNDERWRITERS GRAIN ASSOCIATION

PREVENTION of fires is not one of the things that can be taken up just like you do chores around the house "when-ever you find time."

The President of the United States, the governors of all states, mayors, fire commissioners and everyone in the United States (and what is true here I believe must be true in Canada), have come to the realization that it is not a one-man proposition.

These fire losses and these explosions have reached serious proportions. We are appealing to each and every one of you to get out and do your share towards the prevention of fires and explosions. You

can readily see why they make such an appeal when fire alone is claiming at least 10,000 lives each year — and that is continuing on the upward trend.

The first time it happened we



thought well, it's the war period, fire departments are undermanned, industries are undermanned, that must be the reason for it.

Now the war has been over for some time and the same thing is still happening just as before.

Sense of Dangerous Indifference

There is, and I think you all know it, a sense of indifference which has crept into every organization that we know of and that is as true of the elevator workers as it is in any other line of business. There is that "devil-may-care idea, I don't care what happens".

I think this is a job that we have to do—we have to instill in their minds again that **IN ORDER TO BE ABLE TO KEEP THEIR JOBS**, the workmen have got to do their share by way of protecting the property and the place in which they work.

10% of the fires are caused by just

promiscuous careless smoking — just the tossing of a match or a smoke. A cigarette lays smoldering and finally starts a fire. That's a tremendous accusation and there is no reason why it should continue. I think that if a little concerted effort is put forth, it would be easy enough to train the man who smokes to make sure that his match is out before he throws it away—that his cigarette is **PUT OUT** before tossing it away.

Responsibility is Yours!

You are entrusted with a tremendous responsibility, not only in grain, but in the property and machinery of which your plants are composed. By and large the handling, storage, cleaning—anything that you do in an elevator—remains pretty much the same year in and year out. It is by doing over and over again that you learn and you do it almost mechanically.

That is true in safety work. When you want someone to learn to do his job safely you repeat and repeat, and through repetition he finally learns in spite of himself. The radio makes good use of that in advertising.

In taking care of your grain, you do a pretty good job because, by repetition, you don't have a chance to forget. Buildings and machinery are different. They don't require that constant attention.

Your buildings will stand a good long time and your machinery as well as not be usable for an extended period—and sometimes on account of that you become neglectful and do not give these your attention until they do not operate as they should.

There you are not doing the same thing over and over again. You are apt to neglect it a little bit. That is probably true of housekeeping. You don't do that all the time. You say: "Aw, let that go until some other time when everything else is done"—and you forget about it.

That is not true of all of you—but some of you have slipped up a little. Fire prevention work is a combination of making use of or benefiting by the experiences of other plants and other fires,

plus anticipating something that may happen in the future.

Check Often

In order to get "repetition" you should have your fire fighting equipment checked regularly—and not just once a year either. That's no solution! Get someone to make a regular check, not only on the fire-fighting equipment but everything that pertains to it.

Maybe he could be on a safety committee so that he could go out and report unsafe practices and unsafe conditions in the field. Albeit, have a man turning in a report every week to you—not necessarily the same man, but get them all to offer information. You can give a man a list of things to check on and ask him for a complete report. Then another man may check the following week; knowing that he has been preceded by someone else, he will endeavor to make as complete a report as possible.

You, on the other hand, can correlate all the information thus obtained and use it to advantage. Just as a starter you could take their suggestions and put them out in a form which could be handed to the investigator to fill in and return.

Causes of Your Fires

Basically your fires come under several different headings. Each fire individually may be caused by any one of a number of different things such as defective wiring in electrical equipment, frictional causes such as rubbing belts, housekeeping, etc.

Then there is the matter of handling the fire. You should see to it that you are prepared in case you do have a catastrophe.

Check to see that fire hoses are in good condition, especially the extensions.

Are all drop cords and electrical extensions in good condition—not frayed or exposed?

Are all circuits properly fused for operation?

Are all motors kept clean, not oil-soaked or dust-laden?

Are lead wires to motors good and protected? Properly grounded?

That is just a start—and you can name a-hundred-and-one things which

should be checked more often than they really are.

Are pulleys and belts properly aligned so that they are not rubbing?

Are elevator buckets properly aligned so that they do not scratch or rub against the insides of the legs?

Are all bearings properly aligned, lubricated and clean?

Are they cleaned each time they are lubricated or are they allowed to accumulate oils and greases in combination with dust so they will easily become overheated?

Are all grease tanks kept reasonably clean, that is, not covered with a film of dust?

Are all chokes properly investigated before operations are resumed? That is exceedingly important.

You all know what housekeeping is.

Are the aisles, corners and floors kept free of rubbish?

Are all fire extinguishers properly located and of proper type for each area?

Are all fire extinguishers easily spotted and easy to reach in case of fire?

Are all extinguishers checked regularly to make sure they will operate?

Are standpipes and hose in good condition, and if you have sprinklers, are they checked regularly to make certain they are open?

What About Pressure Tanks?

Are pressure tanks kept at proper water levels?

Are air pressure tanks and sprinkler lines properly maintained?

That's just a check list and you may already have set up a program which covers these items. A good many of you feel that such work is a duty you perform, but that it really doesn't mean anything. If so you might just as well cut it out.

You do a marvelous job of taking care of your grain and grain products, but when it comes to machinery and equipment you slow up a little bit. If it was your automobile you wouldn't wait until it broke down to take care of it.

Fire fighting equipment is something we always hope we won't have to use, but it is a wonderful thing to have "just in case", and it should be kept in perfect condition at all times.

Proper Tools

Naturally we run into a lot of different ideas on fire extinguishers. Some folks have the idea that a fire extinguisher will serve in every place in the plant. You cannot fight electrical fires with water and you cannot fight a rubbish fire very well with the agencies you would use to fight an electrical fire.

There are some cases where you must have water, which is still the best fire fighting agency that we know of, because it has that penetration and cools the area on fire.

Say you have a rubbish fire and try to use a CO² extinguisher. You put out the flame but you have no way of penetrating into the burning mass, and must keep putting out the flames again and again. You must use water.

Most people do not properly understand the difference in fire extinguishers and that is why I say you must have repetition—tell people over and over again—no one method can be used for all things.

In the case of an oil or gasoline fire—that is called a class B fire—water is no good on that. What you want to do there is throw a blanket over the top. You can use foam,—carbon dioxide will do to throw a smothering blanket over that flame. Carbon Tetrachloride will also do that.

Supposing your fire extinguisher contains soda acid and you in your hurry use it on top of a foam blanket from another extinguisher.

What happens?

The soda acid rips the foam blanket and defeats your purpose. That is why it is so important to educate your people to know which type of extinguisher should be used on which type of fires.

That is why you should see to it that you have the right type of equipment on hand to handle the different types of fires.

So this fire prevention work takes just a little bit more thought than just to say: "shove one here and one there" and let it go at that. You must anticipate what might happen and then educate your men accordingly. Too many people base their opinions on what they did forty years ago. You can't do that nowadays because conditions have changed too greatly.

MANUEL HANDLING RULE

Ben S. Hawkins, Jr., General Mills, Louisville, sounds a caution note in his comment about manual handling:

"We do a lot of manual handling and specifically state how the material is to be piled in steps.

"Some of our storage space does not permit the use of mechanical pilers. Both in piling and unpling our men are instructed to use the step method.

"Whenever hand trucks are used, there is a set load limit in order to eliminate hernia and strain."

RUSSELL B. MAAS FORMS NEW COMPANY

Russell B. Maas, former Vice President and Treasurer of Screw Conveyor Corporation, Hammond, Indiana, has announced the organization of his own company specializing in engineering, manufacturing and distribution of screw conveyors, elevator buckets and kindred products.

The new firm, Russell B. Maas Company, has opened offices at 327 S. La-Salle Street, Chicago 4, Ill. Its founder has long been an advocate of faster and improved handling techniques for the grain, feed and milling industries and publishers of "GRAIN" join the host of well-wishers in wishing "Russ" and his associates success in their new enterprise.

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in SEEDBURO

CATALOG AND REFERENCE BOOK

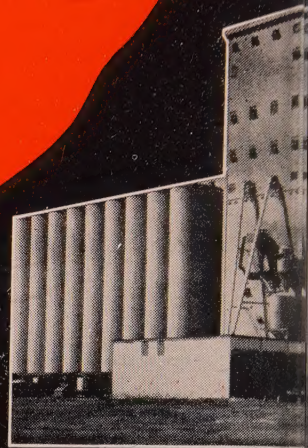
... Grain grading and testing equipment well known and widely used in the grain business—thermometers, scales, bag trucks, inter-communication systems, fire extinguishers, and many other products. All are built of the finest materials... meeting Government specifications where they have been established, rigidly inspected and fully guaranteed.

Also included in this catalog is information on how to grade grain... sampling... preparing samples for testing and analysis... mechanical grading tests, and other valuable information.

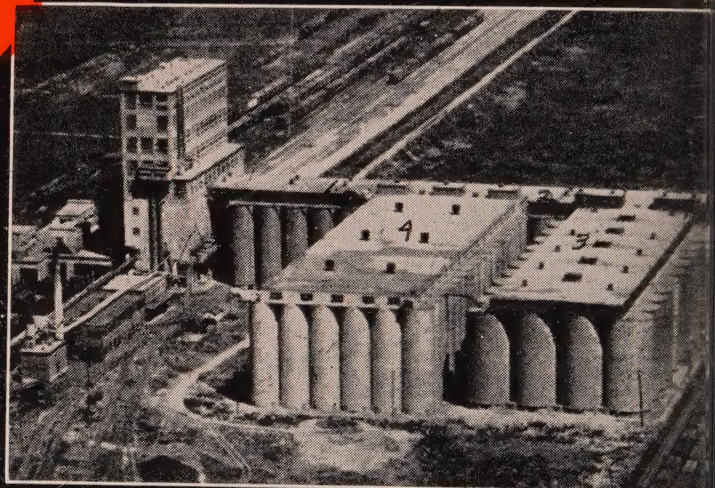
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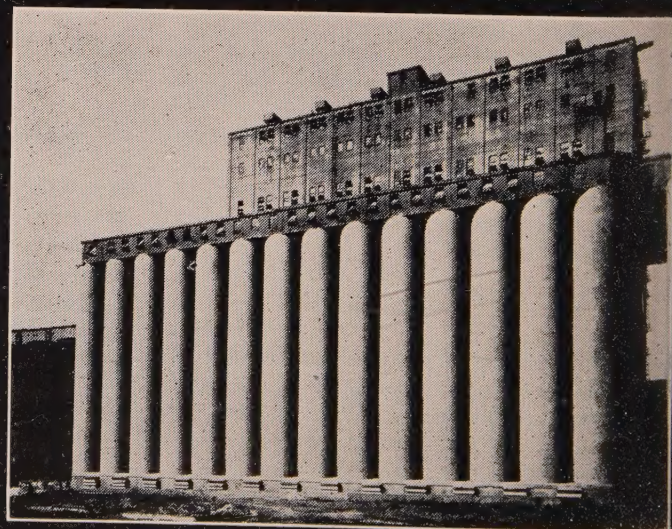
A MOUNTAIN OF EVIDENCE



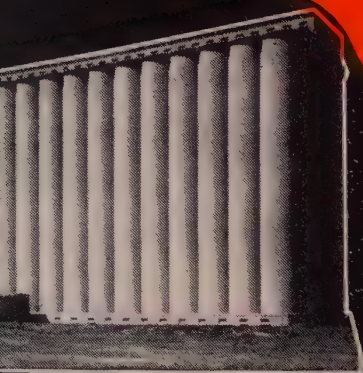
All of these elevators
and West . . .



were treated by the



an exclusive process



ted in the South, East



-Tro-Flex method . .



B. J. Many Company.

... presents proof of the thorough and expert manner in which B. J. Many Company repairs and weatherproofs elevator structures.

... and backs up the fact that a B. J. Many job lasts longer, is worth more; naturally costs more. Cheap materials and faulty workmanship represent false economy.

A survey of your requirements will be made upon request.

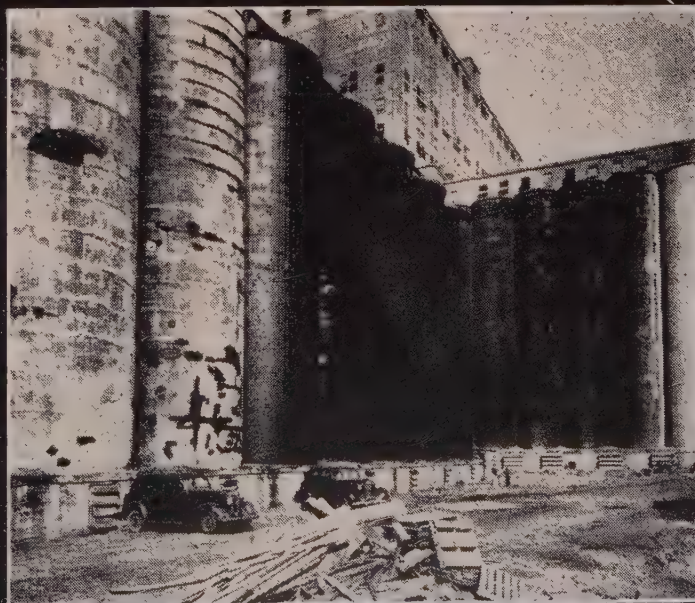
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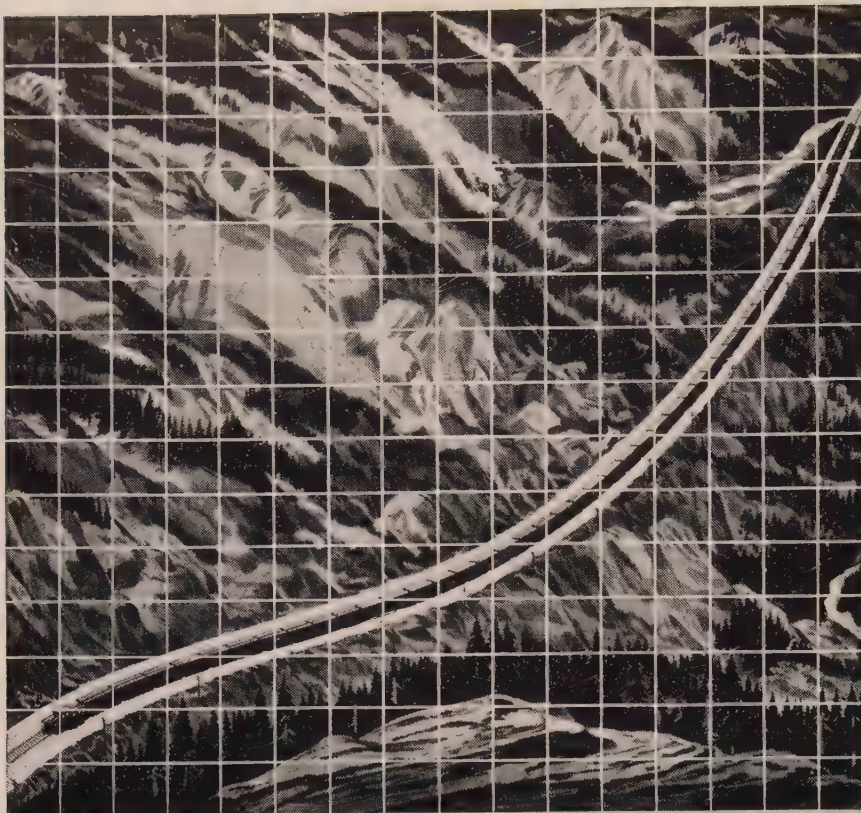
30 No. La Salle St.

Chicago 2, Ill.

827 N. W. 31st Street, Oklahoma City, Oklahoma—217 Baltimore Life Building, Baltimore, Maryland—1101 Francis Palms Building, Detroit 26, Michigan—3723 Grand Central Terminal, New York 17, New York—Mr. H. W. Webb-Peploe, 500 Rona Street, Interlaken, New Jersey.

AUTHORIZED AGENTS: Pioneer Sand and Gravel Company, Inc., 901 Fairview Avenue, North, Seattle 11, Washington—Northland Machinery Supply Co., Ltd., 203 Hardisty Street, Fort William, Ontario—Northland Machinery Supply Co., Ltd., Winnipeg, Manitoba—Asphalt Services, Limited, 366 Adelaide Street, West, Toronto, Ontario.





One way to chart performance!

American farmers are turning in a magnificent performance—the kind you chart with a climbing curve!

The performance record of the railroads can be charted the same way.

For your railroads are hauling freight at the rate of more than a million tons a mile every minute: more grain and grain products than ever before in history, and other farm products in staggering quantities . . . plus raw materials for industry . . . and industry's finished goods.

In fact, American railroads are hauling *more tons more miles than ever before in peacetime!* And they are hauling this biggest peacetime traffic in history with fewer cars than they had on V-J Day.

Railroads have not been able to get new freight cars fast enough to replace those worn out in wartime service. About 90,000 new cars have been delivered and put to work. But they have not come as fast as they were needed.

More than 110,000 additional cars are on order.

Railroads are currently furnishing about 90% of the cars shippers want—*when* they are wanted. And they will keep on doing their level best to speed the day when they can furnish *all* the cars that shippers need—on the day they are needed.

To maintain this finest transportation in the world...

. . . the railroads must earn an adequate income.

Over the last 25 years—and that includes the war years—the railroads have earned an average of only 3⅓% on their net investment.

Most people think 6% would be no more than fair.

And 6% is the minimum figure the railroads need to continue to provide the kind of transportation you want.

Association of American Railroads

WASHINGTON 6, D. C.

CLASSIFIED ADS

Rates: Fifteen cents a word per insertion—Minimum charge \$3.00—Blind advertisements \$1.00 extra per insertion.

POSITIONS WANTED

CAPABLE, CLEAN CUT soybean processing Plant Superintendent with ten years of intensive experience in charge of production is interested in making a change where there is opportunity for advancement. Knows Hunsu-Muehle extraction system, also expeller methods. Good leader, handles men capably. Knows elevator operations from top to bottom. Makes very good appearance as well. Address L8A, c/o GRAIN, 327 S. La Salle St., Chicago 4, Ill.

GRAIN ELEVATOR SUPERINTENDENT with twenty years experience in malt house elevator, seeking change. Early training in Chicago market. Old enough to know the answers, and young enough to do a good job for someone. Can move anywhere. Address L8B, c/o GRAIN, 327 S. La Salle St., Chicago 4, Ill.

Why We Argue.

We argue about "controversial questions" because—

1. We haven't all the pertinent facts and individually may have different sets of facts.

2. We may accept as fact what is not fact at all.

3. We may disagree as to the relative importance of various facts we do have.

4. We may disagree because we have different objectives in mind. Thus, most of us have a "seller's complex" concerning our particular product or service which tends to increase estimate of its welfare significance and market value.

5. We may at times come to have emotional attitudes of varying intensity toward current problems, which tend further to interfere with careful weighing of pertinent facts.

6. Finally the very words with which we argue may carry different meanings to the listeners than was intended by the speaker.—By Dr. H. E. Erdman.

Who can deny—'twixt the word and the deed there's a long step.

Superstition is the religion of feeble minds.

It is a great kindness to trust people with a secret. They feel so important while telling it.

A QUARTER OF A CENTURY SERVING THE MILLING TRADE

Distributors of Cracker-Wheeler Motors, Square D Control, Worthington Pumps and Air Compressors, International Diesel Engines, Lovejoy Couplings, Weston Meters, Line Material Company's Transformers and line builders' supplies, as well as many other products.

Dust Tight equipment in stock for immediate shipment. Motors and Control for rent in emergency.

PORTER ELECTRIC CO., INC.

330 So. 6th St. Minneapolis 15, Minn.

Geneva 8655

Electrical Equipment Coast to Coast

Your Fire Extinguishers May Be Useless, Chicagoans Hear

Fire extinguishers and their proper care and maintenance provided an interesting evening main subject at a recent meeting of the Chicago Chapter of SOGES at Binyon's Restaurant with approximately 30 in attendance.

Principle speaker was H. Harry Larkner, representing the Pyrene Mfg. Co. He supplemented his talk with a demonstration of a number of types of fire extinguishers, and conducted a question and answer forum following his talk.

During and shortly after World War II, he said, many of the manufacturers of fire extinguishers ran into difficulties with their equipment. A careful study disclosed the fact that in an extraction plant of a chemical company providing carbon bisulphide and carbon disulphide, through some peculiar circumstance, a minor foreign ingredient was permitted to get into the chemicals which resulted in rendering the chemical useless.

This was corrected as soon as it was discovered. The Pyrene Co., meanwhile, has offered to pick up any of their own extinguishers, which are inoperative, and replace them with new ones on the models carrying a serial number of 4 million or higher. They have also offered to replace for \$5 any of their extinguishers made within the last 17 years if they are inoperative.

How To Maintain Them

Speaking on the use and maintenance of fire extinguishers, Mr. Larkner told the SOGES members not to put water in any fire extinguisher which was not designed to use water.

On those using carbon dioxide type extinguishers, he urged that great care be taken to see that the cartridge container is intact and that water is kept in this type of extinguisher. Be careful, he warned, of moisture getting into any extinguishers and make a careful check of all closures. He cautioned against putting lubricating oil on any extinguisher, inasmuch as oil absorbs moisture.

"Do not allow the extinguisher to become dry or empty, and keep the working

parts immersed in the liquid they require," he urged.

Speaking of Pyrene extinguishers, he suggested that the container be filled to within ONE-HALF INCH of the top (to avoid spilling) and again emphasized the importance of using the proper liquid for filling. Great care in re-filling will pay dividends, he said.

Pyrene now has been approved for use around electrical equipment. The carbon dioxide extinguisher has been found best for use around electrical hazards and carbon tetrachloride for smouldering fires.

Water Barrels Most Costly

Commenting on the use of the soda and acid-plus-cartridge style is subject to freezing and consequently made ineffective thereby. Calcium chloride is better because it is not so affected.

The cartridge should be carefully checked in the carbon dioxide type extinguisher for weight and if it checks light, it should be replaced. The cartridge type shoots a stream about 45 feet, he told. It should be re-filled immediately after being used.

In some plants water barrels are used for fire protection. A careful check discloses the fact that a barrel of water costs approximately \$20 per year per barrel for upkeep, painting, labor cost of refilling, etc., for which amount the plant could buy a new extinguisher for each location each year.

Hand extinguishers should be shaken after testing and after closing by a turn of the handle.

He was asked how high a temperature a carbon dioxide type extinguisher can stand. If it is a small portable type, he said, the "danger point" is about 125 degrees, however Pyrene extinguishers can stand "almost any heat". It is wise, however, to keep the extinguishers away from radiators, stoves, and from the blazing sun.

New Dust Detector

Mr. Larkner also described a new device for smoke detection which works on

the same principle as the electric eye. When smoke or excessively dust-laden air passes through the detector a red light warns the engineer who knows where the condition exists and can get to the location and put out a fire or take measures to prevent a dust explosion. The detector could be used in grain elevators, he thought, to record and warn against dust concentrations.

At the conclusion of Mr. Larkner's talk, President L. J. Danielson invited SOGES members to visit the Arcady Farms Milling Co. at any time to see the new and complete fire fighting equipment just installed there.



EVER SEE A PEACH WITHOUT CURVES?

Because of the Logarithmic Curve design of the Calumet Cup elevator operators tell us: "It's a peach for increasing capacity . . . never leaves us out on a limb in peak season." Here are some of the

reasons for the superiority of the

CALUMET CUP

Super Capacity Elevator

Can be spaced closer on belt . . . scoops up and elevates super capacity loads . . . permits faster speeds . . . discharges completely at any permissible speed . . . eliminates backlegging.

ASK YOUR JOBBER

Or send for capacity data sheet

B. I. WELLER CO.

327 S. La Salle St.,
Chicago 4, Ill.

(Continued from page 5)

Oil Contamination Problem

Grover C. Meyer: "In starting up your motors, or in the case of a restart, you do get considerable contamination in your oil. This oil should be visually inspected regularly to see that it is clear and flowing freely and that there is no sediment collecting in the pit tank. In other words, it is a whole lot easier to catch those things in time than to try to do something with them afterward when you get into trouble.



"The oil itself does not pick up moisture. In checking the transformer, for example, you check samples from the bottom of the case. Sometimes as much as a gallon of water will be drawn off before we get any oil. Rancidity in oil is far more important than what the water will do to your oil.

"The formation of water in transformers is very slow, but we do have other difficulties. The oil used in the transformer is a mineral oil and has two functions to perform. One is that of insulating the coils. The other is to absorb the heat from the coil, rather than have it radiate to the atmosphere.

"Years ago we used to check transformers once a year and in those days perhaps half of 1% of those tested would show something about which we would worry. Later we decided that checking at two year intervals would be sufficient and found that 99% of those checked were found okay. The moisture collected during that time was very small. A transformer has an average life of about 30 years."

SICK, OUT-OF-CONDITION WHEAT

In addition to all of the reports of "sick" wheat which have filtered in from many points, some of which are experiencing this trouble for the first time to their knowledge, caution is suggested in the storing and conditioning of any soft wheat on hand—60 per cent of which is said to be out of condition in some areas.

As usual, authorities disagree on the highest moisture content at which soft wheat can be kept safely, however a survey indicates that 12 per cent is the top figure THIS particular crop season.

GOOD ATTENDANCE AT N.S.C. GRAIN MEET

Among those registering at the session of the Grain Handling and Processing Division, Food Section, of the National Safety Congress were:

Dr. Paul W. Rush, Corn Products Refining Co., Argo, Ill.;
Oliver W. Klein, Ralston-Purina Co., Charlotte, N.C.;
E. E. Brazulle, Ralston-Purina Co., Fort Worth;
R. J. O'Leary, Corn Products Refining Co., Chicago;
R. F. Partridge, Ralston-Purina Co., Ry-Krisp Div'n., Minneapolis;
R. H. Vidal, Ralston-Purina Co., Davenport;
G. R. Stanton, General Mills, Keokuk;
J. P. Graff, Amaizo, Roby, Ind.;
Mike Paczak, Ralph V. Whitsitt, and Jay L. Johnson, A. E. Staley Mfg. Co., Decatur, Ill.;
Ralph M. Hartmann, Quaker Oats Co., Cedar Rapids;
C. W. Jackson, General Mills, Enid;
Ben S. Hawkins, Jr., General Mills, Louisville;
J. H. Councilman and P. L. Bachman, General Mills, Minneapolis;
Geo. H. Steel, J. R. McCann, and K. E. Garrison, Ralston-Purina Co., St. Louis;
W. Knight, General Mills, Oklahoma City;
A. O. Marschewski, General Mills, El Reno;
Paul J. Sanders, General Mills, Amarillo;

Leo M. Shaw, General Foods—Post Cereals Div'n., Battle Creek;
T. G. Hird, International Milling Co., Salina;
Paul G. Bartz, International Milling Co., Baldwinsville, N.Y.;
R. J. Brooks, Robin Hood Flour Mills, Humberstone, Ont.;
H. M. Shepherd, Robin-Hood Flour Mills, Calgary;
Billy R. Johnson, International Milling Co., Greenville, Tex.;
J. W. McCaslin, Robin Hood Flour Mills, Moose Jaw;
B. F. Raimer, International Milling Co., Wabasha, Minn.;
O. E. Skordahl, International Milling Co., Minneapolis;
L. C. Michealson, International Milling Co., Ponca City;
Gordon Morrison, S. I. Tobias, W. E. Milliman, D. W. Ferrall, D. D. McCleary, E. J. Traut, and D. E. Spaulding, Kellogg Co., Battle Creek;
G. L. McBride, Kellogg Co., Omaha;
E. F. Gomoll and V. L. McMullen, Clinton Industries, Inc., Clinton, Ia.;
R. L. Lancaster, International Milling Co., Detroit;
P. U. Wheatley, International Milling Co., Davenport;
D. L. Hail, Pillsbury Mills Inc., Minneapolis;
L. L. Farrell, International Milling Co., Buffalo;
V. E. Anderson, General Mills, Duluth;
R. Robinson, General Mills, Wichita Falls, and
K. A. Bong, International Milling Co., Minneapolis

DON'T DISCOUNT EFFICIENCY

AND DON'T DISCOUNT EXPERIENCE

BOTH ARE IMPORTANT IN OUR BUSINESS

The EFFICIENCY of our highly-trained staff of engineers is backed by 20 years EXPERIENCE in the field of specialized erection and installation of industrial machinery and heavy equipment.

Let our organization solve your problems for increased operation at lower cost. Insure accurate results.



THE INDUSTRIAL ERECTORS, INC.
ENGINEERS AND MACHINERY ERECTORS

CHICAGO 8, ILLINOIS

1316 WEST CERMAK ROAD

ALL PHONES: SEELEY 1677

BUGS, BUGS AND MORE BUGS

Emphasis being placed up conservation of all grains from every conceivable angle is going to result in one thing for sure, in the opinions of many Superintendents. Farmers and country elevator operators are going to use anything and everything they hear about, read about, or see in the drug store windows for killing bugs.

The emphasis placed upon conserving grain through killing bugs and rats will, in all probability, blind the prospective "killer" to the merits or demerits of the agent used. Hence, think the operators, a lot of peculiar smelling and "unfit for human consumption" grain is going to hit the market just as soon as the roads open up.

Worst worry will be the undiscernable killing agent that leaves no odor nor other trace—only to contaminate large quantities of other grain that is apt to back up on the plant that unsuspectingly takes it in. When improperly treated grain reaches the table or the feed lot in one form or another and causes trouble there, "THEN you know what happens," these far-sighted leaders assert.

Apparently fumigation will be exceptionally wide spread this Spring, consequently it would seem astute if plant heads were to suggest to commission receiving houses that their shippers use, and urge their farmer patrons in turn to use, only such approved and tested fumigants as are found advertised on the pages of this and other recognized trade publications serving this industry.

And inasmuch as all indications point to this being a big fumigation year, if the country shippers and their farm patrons are going to buy a lot of fumigant to treat their grain (as they never have learned to do properly), then, believe well versed operators, the delivery of needed supplies of fumigant may be tighter than usual—suggesting acquiring needed quantities early.

SLEPICKA TO KINTZ CO.

Frank J. Slepicka has joined the J. C. Kintz Co. of Cedar Rapids. Headed by the well known "Jake" Kintz, experienced engineer and equipment authority, Frank will augment this organization to better serve the industry with its complete line of machinery and supplies.

Before joining the Kintz organization, Frank was advertising manager of this publication—"GRAIN" that is, prior to which he was associated with the *American Miller*, both of Chicago.

WHY WE'RE LATE

We think our patient readers and understanding advertisers are due an explanation of why this publication is late

with this issue and, naturally, the numbers which are to follow this one.

Due to your editor having an avalanche of multitudinous details to attend to for the executors of his paternal ancestor's estate, as well as another business to look after, both of which responsibilities were suddenly thrust upon unexpected shoulders, we had no other alternative but to "toe the line" and do what was expected and necessary.

We're "out of the woods" now, thank goodness, and hope to be able to catch up on *GRAIN's* issues—despite all the printing trouble long suffered in this area.

Again we say: Thanks for your understanding and co-operation.

SCHWANDER TO CHAMPAIGN

Felix Schwandner, formerly Assistant Superinendent at J. C. Templeton's Sons Kensington Elevator in Chicago, is now Superintendent of the Evans Elevator Co.'s plant at Champaign, Ill.

Prior to entering the operative end of the business, Felix was well known in futures market and kindred circles, being active with Bartlett Frazier Co. and other large houses.

NEED BELTING?

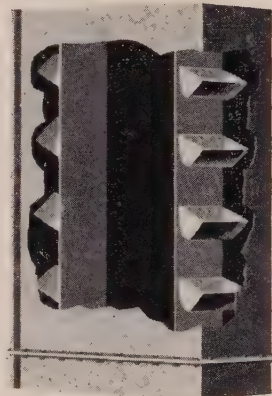
Now you can get

PROMPT shipment

on our famous

Inner-Locked Belting

FOR CONVEYING & ELEVATING



For the first time in several years prompt shipment can be made on Imperial Beltings. Improved production methods and greater availability of raw materials make this possible.

Most types of our famous Inner-Locked Belting can now be furnished from stock in widths through 24". Larger sizes require 10 days through 5 weeks, depending on kind of belting required.

All Imperial Belting is made from the very best 37½ oz. tight-woven duck . . . with a tensile strength exceeding 700 lbs. per inch of width. The plies are double-stitched with our Inner-Locked construction which permanently prevents ply separation . . . then scientifically impregnated to obtain the exact qualities needed for each type of service.

For over 35 years leading industries have found Imperial Belting "costs less to use."

WRITE, WIRE OR PHONE FOR INFORMATION AND PRICES



**Engineered
Belting**

**THE RIGHT BELT
FOR EACH JOB**

IMPERIAL BELTING CO., 1756 S. Kilbourn Ave., Chicago 23, Ill.

GOPHER CHAPTER ACTIVE

Our Minneapolis SOGES Chapter has been functioning this season, under the guidance of "Red" Norton, in its usual lively fashion. Each meeting has been well attended and the following subjects have been presented:

Rat Control in Grain Elevators and Warehouses, by Donald J. Little, Rodent expert, Minneapolis Department of Health;

Foremen's Night featuring entertainment by about six accomplished performers;

Fire Prevention Survey, reviewed by Arthur P. Spottswood, Chief of the Minneapolis Fire Prevention Bureau, on the anniversary of Minneapolis' two costly 1946 grain elevator fires, and

Dust Control in Grain Elevators, by Roy E. Gorgen, Vice President of the The Day Company.

Ron Kennedy, now Secretary of the Northwest Country Elevator Association attended our December meeting, and Ralph Jacobson of the Jacobson Machine Works exhibited his remarkable colored slides of his tour through Guatemala on the same evening.

Ira S. Willis and George Schroeder are now representing the Superior Separator Company and have reinstated their membership.

Ovie Christopherson has again earned himself a position of prominence in the grain industry with the introduction of his Principle Flax Separator.

Clarence Bach, Superintendent of Twin City "A" Elevator is again in circulation after recovering from a heart attack which he suffered on the evening of our October meeting.

KARP NOW WITH STEWART

Elmer Karp, second president of the SOGES and formerly General Superintendent of the Burlington R.R.'s eleven grain terminals, after which he was in charge of the Farm Board's properties, is now with the James Stewart Corp. of Chicago, designers and builders of grain elevators, feed and flour mills, soybean processing plants, et al.

HUBINGER COMPANY SOLD

The Hubinger Company of Keokuk, Ia., has been sold to the Clinton (Ia.) Industries, Inc., formerly known as The Clinton Co., according to unconfirmed reports. Both firms are engaged in the refining of corn.

BUELENS INTO SALES

Emil A. Buelens, the "wonder man" who has experienced three dust explosions and lived to tell the tale, is now Sales

manager of The Glidden Co.'s Edible Products Division. He left "operations", he tells us now, on July 16th. He was formerly Production Superintendent.

A Director of the SOGES whose term expired last convention, Emil has long taken an active part in this growing association's development and progressive undertakings, which interest, he says, will continue as conditions permit.



WHAT WAS THAT?

In whose house was that picture taken that was reproduced on the September cover of GRAIN? I know it was a tripper pictured, but have never before seen quite as complete an installation of dust collecting. Most certainly would like to know more about this kind of work, who puts it in, where installations may be seen, and so on.—Super.

Answer: Our September cover was a reproduction of a Day Company (Minneapolis) tripper dust collecting unit. Installations of this type are being made just as rapidly as the company can get to the work with the proper materials—and it's no secret that steel of the weight used herein is critically short. All new elevators, and many older plants, are having this type of dust collecting equipment installed.

SO WE MOVE

Everything is going up, it seems, including the rent. But when rent goes up too far then folks usually do something about it—IF they can.

"GRAIN" has had offices in the Chicago Board of Trade Building for over the past decade, primarily as a matter of convenience to the many people who come into the building to see their customers and prospective customers. Unquestionably this location has saved visitor's time and perhaps has even resulted in our being called upon when an office across the street would be "just too far away" to visit.

But with rent soaring to \$6.25 a square foot this publication is going to have to join the other seven grain and seed publications which are NOT in the Chicago

Board of Trade building and never were. We'll be just across La Salle Street, however, where there are other grain and feed firms, supply houses—and publications too. After April 15 our address will be: 327 S. La Salle Street, Chicago 4. The phone number remains the same—WABash 3111—however this will be changed September first when all the phone numbers in the city will be converted into a two letter-five figure series.

Here's hoping we see you at 327! And here's hoping, too, that we can move back into the Board of Trade building when conditions permit.

BLOCKER SUCCEEDS MEALIFF

Henry Blocker, Assistant Superintendent of James Templeton's Sons Kensington Elevator in Chicago since 1918, succeeded "Bill" Mealiff as Superintendent recently.

CARL CHANNON PASSES

Carl A. Channon, 67, head of the Great Lakes Supply Corp., mill supply and equipment house catering to the grain handling and processing industry in the greater Chicago area, died of a heart attack recently.

The son of a well known lake ship captain who founded a ship chandlery firm in the early 80's, Carl later developed and expanded this firm into its present stature where it serves all major industries in the vast commercial South Chicago area.

A member of the Superintendent's Society since its formation, Mr. Channon was instrumental in helping to found this publication as well. A good friend of all the grain handling and processing Superintendents, his passing away is going to leave a gap in the lives of all those who remember him so well.

MACHINERY and SUPPLIES

ELEVATORS
FOR PROCESSING PLANTS
MILLS

J. C. KINTZ CO.

505 FOURTH AVE. S. E.
CEDAR RAPIDS, IA. Ph. 3-2761

NEW FLAX SEPARATORS

Announcement is made of the formation of a new company known as the "Principle Separator Co.", 630 N. Robert St., St. Paul, Minn., by Ovie Christopherson, well known in the grain field as a former Minneapolis elevator superintendent.

The company will manufacture and distribute the "Principle Flax Separator" which Mr. Christopherson invented. It is a screen separator with revolving and reciprocating cylinders and will be manufactured with unlimited capacity to fit the specific requirements of any plant.

It is 20½ inches in overall width, 6 feet in overall height, has a 10¾ inch reel diameter, a 91 inch reel length and is 9½ feet long.

Advantages of the separator include: no screen damage, reels and carrier frames run at an inclined plane, slow shaking, revolving of reels (causing the material that is to be separated to turn over in the bottom of the reel) eliminating floating material, seven square feet of operating surface giving 75 to 100 bushels per hour, and smoothness of operation with less than one horse power.

A variety of machines are now going into production, including terminal equipment of all capacities.

SURVEY BEING CONDUCTED

In the interest of serving the greatest number of segments of the industry covered by the wide and varied membership of the Society of Grain Elevator Superintendents, Vice President Clifford A. MacIver of Archer-Daniels-Midland Co., Minneapolis, had had an interesting convention program questionnaire sent to all the membership.

In addition to trying to determine what type of sessions are considered the most beneficial (such as straight speaker sessions, round table sessions, or panel sessions), a canvass is being taken on the importance in the minds of the membership (in terms of convention time devoted thereto) of:

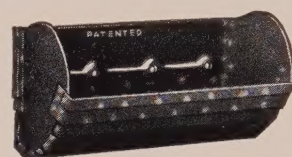
- Fire Prevention Practices
- USDA Reports on Dust Explosion Hazards Research
- The Latest Developments on Static Electricity Ignition of Fires
- A Proposed School for the Training of Grain Elevator Superintendents
- The Need of Millwright Training Course
- Review of Car Unloading Practices
- Malting Barley Research
- Problems Peculiar to Wheat, Corn, etc.
- Scientific Studies on Grain Processing

Grain Fumigation and Storage Problems

Success of Occupational Safety Conferences.

So far, Mr. MacIver reports, the returns are unusually encouraging. Indications are for a strong and helpful program which will be particularly well attended.

Full announcement will be made in the next number of GRAIN on where to send hotel reservations, and other pertinent convention data.



**THE FACT STILL REMAINS
THAT
SUPERIOR ELEVATOR CUPS
ARE
MADE STRONGER
WILL
LAST LONGER
HAVE
GREATER CAPACITY**

and will operate more efficiently at less cost than other elevator cups.

"DP" - "OK" - "CC" - "V"

write to

**K. I. WILLIS CORPORATION
MOLINE ILLINOIS**

for names of distributors
and analysis form No. 20

BRUSHES That are made right of Quality Materials



- A. STAR WAREHOUSE PUSH BROOM—This is the broom that is used by most large terminal elevators for sweeping grain out of box cars.
- B. SEPARATOR BRUSHES—We can furnish separator brushes for any machine.

Write for Prices



Brushes for Every Commercial and Industrial Use.

FLOUR CITY BRUSH CO., Minneapolis 15, Minnesota

There is a . . .

JAY BEE GRINDER

. . . For Every Grinding Purpose . . . 5 to 250 H. P.

Write . . . J. B. SEDBERRY, Inc., Franklin, Tenn.

Safety Plan Lost . . . Without Aid of Top Men

Says H. W. PUETZ, Safety Engineer

An industrial plant of approximately 400 employees has a "Foremen's Safety Committee". The committee goes through all the motions and formalities of an efficient safety organization, yet their safety record is poor and shows a debit rating for over three years.

My first contact with the group was at an evening session attended by 15 foremen and assistant foremen. The committee had a secretary and a chairman. The routine was good. It included reading of the minutes, recommendations presented for consideration and a discussion of accidents.

This committee had three men who make an inspection of the plant every thirty days with recommendations and safety suggestions.

In spite of this, every time an insurance inspector went through the plant he found a great many recommendations of

his own to make.

There obviously was a break somewhere along the line of this particular safety committee. The trouble simmered down to the part that carried too many recommendations on the minutes without completion. They covered many months time.

Another handicap was the fact that the Superintendent rarely came to the meeting. It consisted mainly of foremen. In addition, I found that the manager had never attended a single meeting.

Three "E's"

It is well to remember that in accident prevention the "Three E's" play an important part: Education, Engineering, Enforcement.

The safety committee furnished the education and the engineering, but management did not carry out the most important function—that of enforcement.

Failure to enforce safety rules and recommendations, of course, nullified the good work of the safety committee and kept the accident record poor.

A safety committee is almost worthless unless the management takes an active interest and backs up the safety committee with authority. In all plants or industries where the top management takes a sincere interest in accident prevention, it is not difficult to have a good accident record.

Management's sincere attitude soon permeates the entire organization, resulting in less costly mistakes, fewer accidents and much less lost time.

Wife: "The couple next door seems to be very devoted. He kisses her every time they meet. Why don't you do that?"

Gob: "I don't know her well enough."

* *

"How about carrying more bricks in a hod than that, O'Shaughnessy?" said the Irish foreman.

"I can't—I feel sick—I'm trembling all over."

"Get busy with the sieve, then."

More about D D T

(Continued from page 7)

can be thoroughly aired after a certain period before permitting workers to enter the area. If a recognized industrial fumigant is used there is usually not enough residual fumigant left after due precaution is taken in a food product to cause rejection of the product. However a licensed inspector must be on hand to do the job of fumigating in our plant."

"So you met your wife at a dance. Wasn't that romantic?" asked one truck driver of another.

"No, embarrassing as the dickens," replied the other. "I thought she was home taking care of the kids."

Smith: "I wear the trousers in my home."

Friend: "Yeah, but right after supper I notice you wear an apron over them."

NEW - "PRINCIPLE"

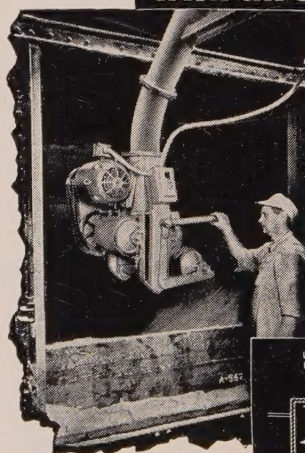
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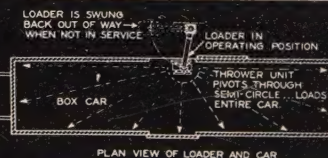
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Weevil-Cide SPLITTERS

Queer Egg

Papa Robin: "How did that speckled egg get into our nest?"

Mama Robin: "Oh that? It was just a lark."

Not Guilty

"Have you ever awakened with a jerk?"

"Heavens no! Why, I'm not even married."

Any Old Time

"Doctor, this is Mr. Smith. My wife has just dislocated her jaw. If you're out this way within the next week or two you might drop in."

Partly Right

"Daughter, that fellow who walks with you through the park doesn't look very polished."

"Well, I'll admit he's a little rough around the hedges."

Home Teaching

The minister had come to call and was holding the small boy on his lap. "So, you can count, eh?" he said to the youngster. "Well, let's hear you."

The lad met the request with alacrity: "One, two, three, four, five, six, seven, eight, nine, ten, jack, queen, king."

Incompatible

"So your married life was unhappy, Mandy. What was the trouble? December married to May?"

"Lan' sakes, no! It was Labor Day married to de Day o' Rest."

Observing

8-year-old daughter: "Mother, what does it feel like when a man kisses you?"

"Heavens on earth, child!" was the surprised reply.

"I thought so," replied the child.

Same Answer

"I bought her a dinner, took her to a show and to a night club, and do you know what she said?"

"No."

"Oh! You've been out with her too?"

She Guessed It

Old lady (sniffing): "What's that odor I smell?"

Farmer: "That's fertilizer."

Old lady (astonished): "For the land's sake!"

Farmer: "Yes ma'am."

Playing A Percentage

The father of a small boy gave him a dollar for his birthday. The boy spent the afternoon going the rounds of the tradesmen and having them change the dollar, first into silver, then back into a bill, and so on. When the father heard of it, he asked the reason.

"Well," said little Sandy, "sooner or later somebody's gonna make a mistake. And it ain't gonna be me."

Began Early

A local couple once had a quarrel and got into police court. A neighbor was a witness.

Judge: "Were you present at the beginning of the trouble?"

Witness: "Certainly—I was a witness at their wedding."

Heard In Court

Mandy: "Is you de judge of reprobrates?"

Judge: "Well, I'm the probate judge, if that's what you mean."

Mandy: "Yassuh, das it. Well Mistah Judge, it's like dis. Mah husban' he has done died detested, and left me wif seben little infidels, and ah wants to be appointed as de executioner."

You're Matching

The teacher was testing the observation ability of the kindergarten class. Slapping a quarter on the desk, she said sharply, "What is it?"

Instantly a voice from the back row cried: "Tails!"

Needless Precaution

A woman was driving along a country road when she saw a couple of repair men climbing up telephone poles.

"Look at those fools!" she exclaimed. "They think I never drove a car before!"

Waited Too Long

Bert: "How did Jones get so beaten up?"

Myrt: "He kissed the bride."

Bert: "But everybody kisses the bride. That's an old custom."

Myrt: "But this was a year after the wedding."

Recommendation

"Is he a nice boy?"

"No, dear, you'll like him!"



THE **Weevil-Cide** COMPANY
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At Last! An All Metal Power Grain Shovel—Devised and Proven by the Trade

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Requires One or a Number
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BENSON Shovel Will
Save TIME and MONEY**

**Without any Danger to Laborers
or Lost Time Through Breakage**

ACTUAL PHOTOGRAPH OF BENSON POWER
SHOVEL IN USE AT RALLS ELEVATOR, FORT
WORTH, TEXAS

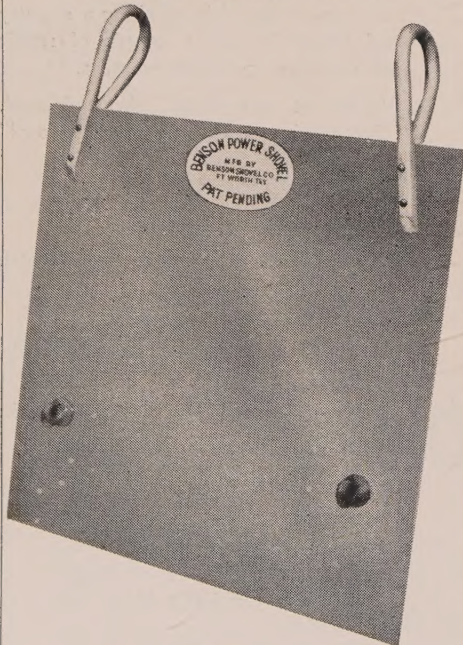
THE BENSON POWER SHOVEL IS SHOWN AT
LEFT, COMPARED WITH OLD STYLE WOODEN
SHOVEL AT RIGHT.



The BENSON Power Shovel is **ECONOMICAL**—a real money-saver, because there is no upkeep expense. Outlasts many old-type wooden shovels. It is **LIGHT WEIGHT**—50% lighter than the average wooden

shovel. Saves labor time—safer—cleans cars faster and easier. It is **DURABLE**—guaranteed against manufacturing defects—no weather deterioration. A **TRIAL WILL CONVINCE YOU!**

BENSON POWER GRAIN SHOVEL



Standard shovel specifications: **SIZE**—30" x 30". **WEIGHT**, complete—19 lbs. Shovel complete with handles, nuts, bolts, hooks. Heavier gauge available for moving minerals and commodities heavier than grain.

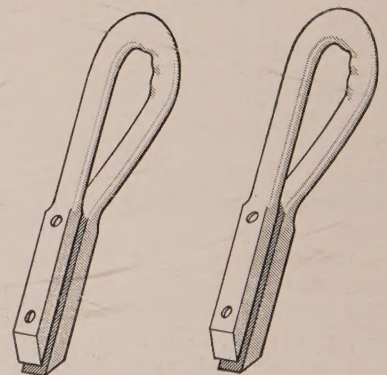
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